



Material Content Data Sheet



Sales Product Name				IPA60R190P6		Issued		2. November 2015	
MA#				MA001110166					
Package				PG-TO220-3-111		Weight*		2240.58 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	inorganic material	silicon	7440-21-3	8.148	0.36	0.36	3636	3636	
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		307		
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92		
	non noble metal	copper	7440-50-8	686.221	30.63	30.67	306270	306669	
wire	non noble metal	aluminium	7429-90-5	2.485	0.11	0.11	1109	1109	
encapsulation	organic material	carbon black	1333-86-4	2.244	0.10		1001		
	plastics	epoxy resin	-	206.910	9.23		92347		
	inorganic material	silicondioxide	60676-86-0	888.706	39.67	49.00	396641	489990	
leadfinish	non noble metal	tin	7440-31-5	8.041	0.36	0.36	3589	3589	
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	136	
solder	non noble metal	antimony	7440-36-0	0.395	0.02		176		
	noble metal	silver	7440-22-4	0.987	0.04		441		
	non noble metal	tin	7440-31-5	2.567	0.11	0.17	1146	1763	
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193		
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58		
	non noble metal	copper	7440-50-8	432.110	19.29	19.32	192857	193108	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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